

Notice of Allowability

Application No.

09/675,984

Applicant(s)

KIM ET AL.

Examiner

Art Unit

KIEU-OANH BUI

2623

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed on 08/04/2006.
2. ☒ The allowed claim(s) is/are 1,2,5,8,10-18,20,23,25,27,30 and 33-57.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date 08/04/2006
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.



**KIEU-OANH BUI
PRIMARY EXAMINER**

DETAILED ACTION

Remark

1. Claims 3-4, 6-7, 9, 19, 21-22, 24, 26, 28-29, and 31-32 have been previously canceled, and new claim 57 has been added. Pending claims 1-2, 5, 8, 10-18, 20, 23, 25, 27, 30, and 33-57 are for reconsideration.

Allowable Subject Matter

2. Claims 1-2, 5, 8, 10-18, 20, 23, 25, 27, 30, and 33-57 have been allowed.

Reasons for Allowance

3. The following is an examiner's statement of reasons for allowance:

The closest prior arts of record issued to Sezan, Maybury and Ratakonda fails to either alone or combine to teach or suggest a Hierarchical Summary Scheme DS and its corresponding method of “a HierarchicalSummary Description Scheme (DS) for describing a video summary, the HierarchicalSummary DS comprising a HighlightLevel DS that comprises at least one HighlightSegment DS, the HighlightSegment DS configured to describe information on a highlight segment corresponding to one of a plurality of video summary intervals, the HighlightSegment DS further including a VideoSegmentLocator DS describing time information or a video itself of the highlight segment and an ImageLocator DS describing a representative frame of the highlight segment” as cited in claims 1, 17, 18, and a system, an apparatus and its

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corresponding method for generating video summary description data according to a video summary description scheme as cited in claims 25, 44, 47, 51, and 54.

Sezan et al. describe general ideas for providing description schemes in terms of user, system, and program. Sezan describes the possibility that each description scheme or a combination thereof in the three aspects can make the user search, browse, and filter programs in a personalized manner. As described therein, Sezan discloses a highlight view DS and Key frame DS together with a thumbnail view, event view, close-up view, and an alternative view DS under a visualization view DS, which is illustrated in Figure 14, yet such various views are all independent of each other because each DS view is made for its own viewing purpose. In other words, each DS view lacks the intrinsic interrelationship among the other DS views. Sezan's invention is aiming to a different approach than the present invention does. In addition, Maybury and Ratakonda fails to teach the description scheme as described in claim 1; and Maybury simply describes a table of contents as "hierarchical" but there is no suggestion as to how the news content is organized other than in a multi-level arrangement to permit drilling down to more detailed information; and Ratakonda also fails to disclose or imply any specific hierarchical structure itself as clearly described at least in claim 1 and similarly in other independent claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

3. Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to PTO New Central Fax number:

(571) 273-8300, (for Technology Center 2600 only)

*Hand deliveries must be made to Customer Service Window,
Randolph Building, 401 Dulany Street, Alexandria, VA 22314.*

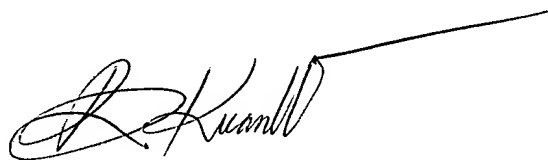
4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Krista Kieu-Oanh Bui whose telephone number is (571) 272-7291. The examiner can normally be reached on Monday-Friday from 9:30 AM to 7:00 PM, with alternate Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John W. Miller, can be reached at (571) 272-7353.

The Art Unit location of your application in the USPTO has changed. To aid in correlating any papers for this application, all further correspondence regarding this application should be directed to Division or Art Unit 2623.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

A handwritten signature in black ink, appearing to read 'Kieu-Oanh Bui', with a long horizontal line extending to the right.

Kieu-Oanh Bui
Primary Examiner
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KB
August 29, 2006